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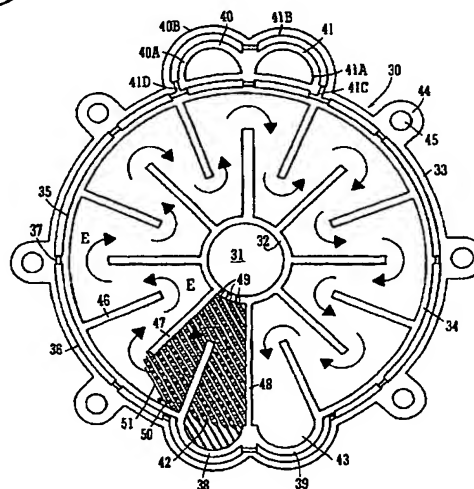
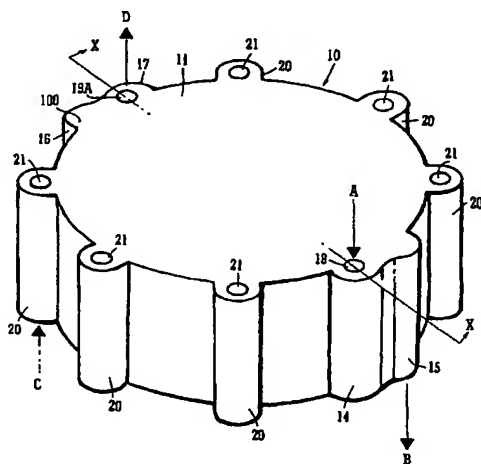
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(54) Title: HEAT EXCHANGER AND/OR CHEMICAL REACTOR



(57) Abstract: Heat exchange and/or chemical reactor apparatus (10; 100) comprises a series of plates which are stacked and bonded together in a fluid-tight manner, the series of plates comprising alternate first (30; 130) and second (90; 190) plates or groups of plates along the stack providing flow paths for respective first and second fluids, each plate forming said first (30; 130) and second (90; 190) plates or groups of plates having an inlet (42; 90) and an outlet (43; 91) between which respective first or second fluid is flowable and a continuous wall (34; 84) to contain the flow of fluid, and characterised in that each plate (30; 90; 130; 190) comprises an outer wall (43; 83) continuous wall (34; 84) to define a space (35; 85) therebetween, the spaces (35; 85) of each plate (30; 90; 130; 190) of the stack being in fluid communication to form a compartment running along the stack.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 F28D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 02 101313 A (CHART HEAT EXCHANGERS LTD ; SYMONDS KEITH THOMAS (GB)) 19 December 2002 (2002-12-19) cited in the application the whole document	1-29
A	GB 1 405 976 A (PRZED DOSWIADCZALNE PRZEMYSLOW) 10 September 1975 (1975-09-10) the whole document	1-29
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
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Information on patent family members

Inventor's Name  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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